

<p style="text-align: center;">CITE DEC 29 2004 SEARCHED INDEXED SERIALIZED FILED USPTO-DFW FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT</p>			ATTY. DOCKET NO. 1744.1380000	APPLICATION NO. 10/719,058
			FIRST NAMED INVENTOR Gregory S. Rawlins	
			FILING DATE November 24, 2003	GROUP To Be Assigned

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/DHM/	AB1	2,241,078	05/1941	Vreeland			
/DHM/	AC1	2,270,385	01/1942	Skillman			
/DHM/	AD1	2,283,575	05/1942	Roberts			
/DHM/	AE1	2,358,152	09/1944	Earp			
/DHM/	AF1	2,410,350	10/1946	Labin et al.			
/DHM/	AG1	2,451,430	10/1948	Barone			
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/DHM/	AK1	EP 0 035 166 A1	09/1981	EP			No
/DHM/	AL1	EP 0 193 899 B1	06/1990	EP			N/A
/DHM/	AM1	EP 0 380 351 A2	08/1990	EP			N/A

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/DHM/	AN	1	Aghvami, H. et al., "Land Mobile Satellites Using the Highly Elliptic Orbits- The UK T-SAT Mobile Payload," <i>Fourth International Conference on Satellite Systems for Mobile Communications and Navigation</i> , IEE, pp. 147-153 (October 17-19, 1988).
/DHM/	AO	1	Akers, N.P. et al., "RF Sampling Gates: a Brief Review," <i>IEE Proceedings</i> , IEE, Vol. 133, Part A, No. 1, pp. 45-49 (January 1986).
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/DHM/	AB2	2,497,859	02/1950	Boughtwood et al.			
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/DHM/	AM2	EP 0 411 840 B1	10/1995	EP			N/A

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/DHM/	AG3	3,523,291	08/1970	Pierret			
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/DHM/	AA5	3,735,048	05/1973	Tomsa et al.			
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/DHM/	AC5	3,868,601	02/1975	MacAfee			
/DHM/	AD5	3,949,300	04/1976	Sadler			
/DHM/	AE5	3,967,202	06/1976	Batz			
/DHM/	AF5	3,980,945	09/1976	Bickford			
/DHM/	AG5	3,987,280	10/1976	Bauer			
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/DHM/	AR	5	Burgueño, A. et al., "Spectral Analysis of 49 Years of Rainfall Rate and Relation to Fade Dynamics," <i>IEEE Transactions on Communications</i> , IEEE Communications Society, Vol. 38, No. 9, pp. 1359-1366 (September 1990).

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/DHM/	AA6	4,013,966	03/1977	Campbell			
/DHM/	AB6	4,019,140	04/1977	Swerdlow			
/DHM/	AC6	4,035,732	07/1977	Lohrmann			
/DHM/	AD6	4,047,121	09/1977	Campbell			
/DHM/	AE6	4,066,841	01/1978	Young			
/DHM/	AF6	4,066,919	01/1978	Huntington			
/DHM/	AG6	4,081,748	03/1978	Batz			
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/DHM/	AK6	EP 0 795 978 A2	09/1997	EP			N/A
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/DHM/	AM6	EP 0 862 274 A1	09/1998	EP			N/A

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/DHM/	AN	6	Catalan, C. and Vilar, E., "Approach for satellite slant path remote sensing," <i>Electronics Letters</i> , IEE, Vol. 34, No. 12, pp. 1238-1240 (June 11, 1998).
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/DHM/	AP	6	Copy of Declaration of Michael J. Bultman filed in patent application Ser. No. 09/176,022, which is directed to related subject matter, 2 pages.
/DHM/	AQ	6	Copy of Declaration of Robert W. Cook filed in patent application Ser. No. 09/176,022, which is directed to related subject matter, 2 pages.
/DHM/	AR	6	Copy of Declaration of Alex Holtz filed in patent application Ser. No. 09/176,022, which is directed to related subject matter, 3 pages.

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/DHM/	AA7	4,142,155	02/1979	Adachi			
/DHM/	AB7	4,170,764	10/1979	Salz et al.			
/DHM/	AC7	4,204,171	05/1980	Sutphin, Jr.			
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/DHM/	AN	Z	Copy of Declaration of Richard C. Looke filed in patent application Ser. No. 09/176,022, which is directed to related subject matter, 2 pages.
/DHM/	AO	Z	Copy of Declaration of Charley D. Moses, Jr. filed in patent application Ser. No. 09/176,022, which is directed to related subject matter, 2 pages.
/DHM/	AP	Z	Copy of Declaration of Jeffrey L. Parker and David F. Sorrells, with attachment Exhibit 1, filed in patent application Ser. No. 09/176,022, which is directed to related subject matter, 130 pages.
/DHM/	AQ	Z	Dewey, R.J. and Collier, C.J., "Multi-Mode Radio Receiver," <i>Electronics Division Colloquium on Digitally Implemented Radios</i> , IEE, pp. 3/1-3/5 (October 18, 1985).
/DHM/	AR	Z	DIALOG File 347 (JAPIO) English Language Patent Abstract for JP 2-276351, 1 page (November 13, 1990 - Date of publication of application).

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/DHM/	AB8	4,346,477	08/1982	Gordy			
/DHM/	AC8	4,355,401	10/1982	Ikoma et al.			
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/DHM/	AE8	4,360,867	11/1982	Gonda			
/DHM/	AF8	4,363,132	12/1982	Collin			
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/DHM/	AK8	JP 2-131629	05/1990	JP			No
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/DHM/	AQ	8	DIALOG File 348 (European Patents) English Language Patent Abstract for EP 35166 A1, 2 pages (February 18, 1981 - Date of publication of application).
/DHM/	AR	8	"DSO takes sampling rate to 1 Ghz," <i>Electronic Engineering</i> , Morgan Gramian Publishers, Vol. 59, No. 723, pp. 77 and 79 (March 1987).

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/DHM/	AB9	4,430,629	02/1984	Betzl et al.			
/DHM/	AC9	4,446,438	05/1984	Chang et al.			
/DHM/	AD9	4,456,990	06/1984	Fisher et al.			
/DHM/	AE9	4,472,785	09/1984	Kasuga			
/DHM/	AF9	4,479,226	10/1984	Prabhu et al.			
/DHM/	AG9	4,481,490	11/1984	Huntley			
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/DHM/	AP	9	Faulkner, N.D. et al., "Sub-Harmonic Sampling for the Accurate Measurement of Frequency Stability of Microwave Oscillators," <i>CPEM 82 Digest: Conference on Precision Electromagnetic Measurements</i> , IEEE, pp. M-10 and M-11 (1982).
/DHM/	AQ	9	Faulkner, N.D. and Vilar, E., "Time Domain Analysis of Frequency Stability Using Non-Zero Dead-Time Counter Techniques," <i>CPEM 84 Digest Conference on Precision Electromagnetic Measurements</i> , IEEE, pp. 81-82 (1984).
/DHM/	AR	9	Filip, M. and Vilar, E., "Optimum Utilization of the Channel Capacity of a Satellite Link in the Presence of Amplitude Scintillations and Rain Attenuation," <i>IEEE Transactions on Communications</i> , IEEE Communications Society, Vol. 38, No. 11, pp. 1958-1965 (November 1990).

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/DHM/	AA10	4,504,803	03/1985	Lee et al.			
/DHM/	AB10	4,517,519	05/1985	Mukaiyama			
/DHM/	AC10	4,517,520	05/1985	Ogawa			
/DHM/	AD10	4,518,935	05/1985	van Roermund			
/DHM/	AE10	4,521,892	06/1985	Vance et al.			
/DHM/	AF10	4,563,773	07/1986	Dixon, Jr. et al.			
/DHM/	AG10	4,577,157	03/1986	Reed			
/DHM/	AH10	4,583,239	04/1986	Vance			
/DHM/	AI10	4,591,736	05/1986	Hirao et al.			
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/DHM/	AJ10	WO 97/38490 A1	10/1997	PCT			N/A
/DHM/	AK10	WO 98/00953 A1	01/1998	PCT			N/A
/DHM/	AL10	WO 98/24201 A1	06/1998	PCT			N/A
/DHM/	AM10	EP 0 099 265 A1	01/1984	EP			N/A
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/DHM/	AN	<u>10</u>	Fukahori, K., "A CMOS Narrow-Band Signaling Filter with Q Reduction," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. SC-19, No. 6, pp. 928-932 (December 1984).				
/DHM/	AO	<u>10</u>	Fukuchi, H. and Otsu, Y., "Available time statistics of rain attenuation on earth-space path," <i>IEE Proceedings-H: Microwaves, Antennas and Propagation</i> , IEE, Vol. 135, Pt. H, No. 6, pp. 387-390 (December 1988).				
/DHM/	AP	<u>10</u>	Gibbins, C.J. and Chadha, R., "Millimetre-wave propagation through hydrocarbon flame," <i>IEE Proceedings</i> , IEE, Vol. 134, Pt. H, No. 2, pp. 169-173 (April 1987).				
/DHM/	AQ	<u>10</u>	Gilchrist, B. et al., "Sampling hikes performance of frequency synthesizers," <i>Microwaves & RF</i> , Hayden Publishing, Vol. 23, No. 1, pp. 93-94 and 110 (January 1984).				
/DHM/	AR	<u>10</u>	Gossard, E.E., "Clear weather meteorological effects on propagation at frequencies above 1 Ghz," <i>Radio Science</i> , American Geophysical Union, Vol. 16, No. 5, pp. 589-608 (September - October 1981).				
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/DHM/	AB11	4,603,300	07/1986	Welles, II et al.			
/DHM/	AC11	4,612,464	09/1986	Ishikawa et al.			
/DHM/	AD11	4,612,518	09/1986	Gans et al.			
/DHM/	AE11	4,616,191	10/1986	Galani et al.			
/DHM/	AF11	4,621,217	11/1986	Saxe et al.			
/DHM/	AG11	4,628,517	12/1986	Schwarz et al.			
/DHM/	AH11	4,634,998	01/1987	Crawford			
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/DHM/	AK11	FR 2 245 130	04/1975	FR			Yes (See AP50)
/DHM/	AL11	DE 35 41 031 A1	05/1986	DE			Yes (See AR50)
/DHM/	AM11	EP 0 732 803 A1	09/1996	EP			Yes (See AN51)

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/DHM/	AN	<u>11</u>	Gregorian, R. et al., "Switched-Capacitor Circuit Design," <i>Proceedings of the IEEE</i> , IEEE, Vol. 71, No. 8, pp. 941-966 (August 1983).
/DHM/	AO	<u>11</u>	Groshong et al., "Undersampling Techniques Simplify Digital Radio," <i>Electronic Design</i> , Penton Publishing, pp. 67-68, 70, 73-75 and 78 (May 23, 1991).
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/DHM/	AQ	<u>11</u>	Haddon, J. et al., "Measurement of Microwave Scintillations on a Satellite Down-Link at X-Band," <i>Antennas and Propagation</i> , IEE, pp. 113-117 (1981).
/DHM/	AR	<u>11</u>	Haddon, J. and Vilar, E., "Scattering Induced Microwave Scintillations from Clear Air and Rain on Earth Space Paths and the Influence of Antenna Aperture," <i>IEEE Transactions on Antennas and Propagation</i> , IEEE, Vol. AP-34, No. 5, pp. 646-657 (May 1986).

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/DHM/	AB12	4,675,882	06/1987	Lillie et al.			
/DHM/	AC12	4,688,253	08/1987	Gumm			
/DHM/	AD12	4,716,376	12/1987	Daudelin			
/DHM/	AE12	4,716,388	12/1987	Jacobs			
/DHM/	AF12	4,718,113	01/1988	Rother et al.			
/DHM/	AG12	4,726,041	02/1988	Prohaska et al.			
/DHM/	AH12	4,733,403	03/1988	Simone			
/DHM/	AI12	4,734,591	03/1988	Ichitsubo			

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/DHM/	AJ12	DE 197 35 798 C1	07/1998	DE			Yes (See AP51)
/DHM/	AK12	WO 98/40968 A2&A3	09/1998	PCT			N/A
/DHM/	AL12	EP 0 529 836 A1	03/1993	EP			N/A
/DHM/	AM12	EP 0 795 955 A2&A3	09/1997	EP			N/A

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/DHM/	AO	<u>12</u>	Herben, M.H.A.J., "Amplitude and Phase Scintillation Measurements on 8-2 km Line-Of-Sight Path at 30 Ghz," <i>Electronics Letters</i> , IEE, Vol. 18, No. 7, pp. 287-289 (April 1, 1982).
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/DHM/	AB13	4,743,858	05/1988	Everard			
/DHM/	AC13	4,745,463	05/1988	Lu			
/DHM/	AD13	4,751,468	06/1988	Agoston			
/DHM/	AE13	4,757,538	07/1988	Zink			
/DHM/	AF13	4,768,187	08/1988	Marshall			
/DHM/	AG13	4,769,612	09/1988	Tamakoshi et al.			
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/DHM/	AO	<u>13</u>	Howard, I.M. and Swansson, N.S., "Demodulating High Frequency Resonance Signals for Bearing Fault Detection," <i>The Institution of Engineers Australia Vibration and Noise Conference</i> , Institution of Engineers, Australia, pp. 115-121 (September 18-20, 1990).
/DHM/	AP	<u>13</u>	Hu, X., <i>A Switched-Current Sample-and-Hold Amplifier for FM Demodulation</i> , Thesis for Master of Applied Science, Dept. of Electrical and Computer Engineering, University of Toronto, UMI Dissertation Services, pp. 1-64 (1995).
/DHM/	AQ	<u>13</u>	Hung, H-L. A. et al., "Characterization of Microwave Integrated Circuits Using An Optical Phase-Locking and Sampling System," <i>IEEE MTT-S Digest</i> , IEEE, pp. 507-510 (1991).
/DHM/	AR	<u>13</u>	Hurst, P.J., "Shifting the Frequency Response of Switched-Capacitor Filters by Nonuniform Sampling," <i>IEEE Transactions on Circuits and Systems</i> , IEEE Circuits and Systems Society, Vol. 38, No. 1, pp. 12-19 (January 1991).

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/DHM/ David	Malzahn	4,801,823	01/1989	Yokoyama			
/DHM/ AB14		4,806,790	02/1989	Sone			
/DHM/ AC14		4,810,904	03/1989	Crawford			
/DHM/ AD14		4,810,976	03/1989	Cowley et al.			
/DHM/ AE14		4,811,362	03/1989	Yester, Jr. et al.			
/DHM/ AF14		4,819,252	04/1989	Christopher			
/DHM/ AG14		4,833,445	05/1989	Buchele			
/DHM/ AH14		4,862,121	08/1989	Hochschild et al.			
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/DHM/ AJ14		JP 8-32556	02/1996	JP			No
/DHM/ AK14		JP 8-139524	05/1996	JP			No
/DHM/ AL14		JP 59-144249	08/1984	JP			No.
/DHM/ AM14		JP 63-54002	03/1988	JP			No

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/DHM/ AO	14	Janssen, J.M.L., "An Experimental 'Stroboscopic' Oscilloscope for Frequencies up to about 50 Mc/s: I. Fundamentals," <i>Philips Technical Review</i> , Philips Research Laboratories, Vol. 12, No. 2, pp. 52-59 (August 1950).
/DHM/ AP	14	Janssen, J.M.L. and Michels, A.J., "An Experimental 'Stroboscopic' Oscilloscope for Frequencies up to about 50 Mc/s: II. Electrical Build-Up," <i>Philips Technical Review</i> , Philips Research Laboratories, Vol. 12, No. 3, pp. 73-82 (September 1950).
/DHM/ AQ	14	Jondral, V.F. et al., "Doppler Profiles for Communication Satellites," <i>Frequenz</i> , Herausberger, pp. 111-116 (May-June 1996).
/DHM/ AR	14	Kaleh, G.K., "A Frequency Diversity Spread Spectrum System for Communication in the Presence of In-band Interference," 1995 <i>IEEE Globecom</i> , IEEE Communications Society, pp. 66-70 (1995).

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/DHM/	AA15	4,870,659	09/1989	Oishi et al.			
/DHM/	AB15	4,871,987	10/1989	Kawase			
/DHM/	AC15	4,885,587	12/1989	Wiegand et al.			
/DHM/	AD15	4,885,756	12/1989	Fontanes et al.			
/DHM/	AE15	4,888,557	12/1989	Puckette, IV et al.			
/DHM/	AF15	4,890,302	12/1989	Muijwijk			
/DHM/	AG15	4,893,316	01/1990	Janc et al.			
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/DHM/	AI15	4,894,766	01/1990	De Agro			

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/DHM/	AJ15	JP 6-237276	08/1994	JP			No
/DHM/	AK15	JP 8-23359	01/1996	JP			No
/DHM/	AL15	JP 47-2314	02/1972	JP			Yes (Doc. AP53)
/DHM/	AM15	JP 58-7903	01/1983	JP			Partial (Doc. AQ53)

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/DHM/	AN	<u>15</u>	Karasawa, Y. et al., "A New Prediction Method for Tropospheric Scintillation on Earth-Space Paths," <i>IEEE Transactions on Antennas and Propagation</i> , IEEE Antennas and Propagation Society, Vol. 36, No. 11, pp. 1608-1614 (November 1988).
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/DHM/	AR	<u>15</u>	Larkin, K.G., "Efficient demodulator for bandpass sampled AM signals," <i>Electronics Letters</i> , IEE, Vol. 32, No. 2, pp. 101-102 (January 18, 1996).

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/DHM/	AB16	4,902,979	02/1990	Puckette, IV			
/DHM/	AC16	4,908,579	03/1990	Tawfik et al.			
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/DHM/	AE16	4,914,405	04/1990	Wells			
/DHM/	AF16	4,920,510	04/1990	Senderowicz et al.			
/DHM/	AG16	4,922,452	05/1990	Larsen et al.			
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/DHM/	AK16	JP 60-58705	04/1985	JP			No
/DHM/	AL16	JP 4-123614	04/1992	JP			No
/DHM/	AM16	JP 4-127601	04/1992	JP			No

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/DHM/	AR	16	Linnenbrink, T.E. et al., "A One Gigasample Per Second Transient Recorder," <i>IEEE Transactions on Nuclear Science</i> , IEEE Nuclear and Plasma Sciences Society, Vol. NS-26, No. 4, pp. 4443-4449 (August 1979).

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/DHM/	AB17	4,965,467	10/1990	Bilterijst			
/DHM/	AC17	4,967,160	10/1990	Quievy et al.			
/DHM/	AD17	4,970,703	11/1990	Hariharan et al.			
/DHM/	AE17	4,982,353	01/1991	Jacob et al.			
/DHM/	AF17	4,984,077	01/1991	Uchida			
/DHM/	AG17	4,995,055	02/1991	Weinberger et al.			
/DHM/	AH17	5,003,621	03/1991	Gailus			
/DHM/	AI17	5,005,169	04/1991	Brondor et al.			

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/DHM/	AK17	JP 5-175734	07/1993	JP			No
/DHM/	AL17	JP 7-154344	06/1995	JP			No
/DHM/	AM17	JP 7-307620	11/1995	JP			No

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/DHM/	AQ	17	Lo, P.S.L.O. et al., "Observations of Amplitude Scintillations on a Low-Elevation Earth-Space Path," <i>Electronics Letters</i> , IEE, Vol. 20, No. 7, pp. 307-308 (March 29, 1984).
/DHM/	AR	17	Madani, K. and Aithison, C.S., "A 20 Ghz Microwave Sampler," <i>IEEE Transactions on Microwave Theory and Techniques</i> , IEEE Microwave Theory and Techniques Society, Vol. 40, No. 10, pp. 1960-1963 (October 1992).

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			FIRST NAMED INVENTOR Gregory S. Rawlins	
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/DHM/	AA18	5,006,810	04/1991	Popescu			
/DHM/	AB18	5,010,585	04/1991	Garcia			
/DHM/	AC18	5,014,304	05/1991	Nicollini et al.			
/DHM/	AD18	5,015,963	05/1991	Sutton			
/DHM/	AE18	5,017,924	05/1991	Guiberteau et al.			
/DHM/	AF18	5,020,149	05/1991	Hemmie			
/DHM/	AG18	5,020,154	05/1991	Zierhut			
/DHM/	AH18	5,052,050	09/1991	Collier et al.			
/DHM/	AI18	5,065,409	11/1991	Hughes et al.			

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/DHM/	AJ18	JP 55-66057	05/1980	JP			No
/DHM/	AK18	JP 63-65587	03/1988	JP			No
/DHM/	AL18	JP 63-153691	06/1988	JP			No
/DHM/	AM18	EP 0 276 130 A2&A3	07/1988	EP			N/A

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/DHM/	AB19	5,091,921	02/1992	Minami			
/DHM/	AC19	5,095,533	03/1992	Loper et al.			
/DHM/	AD19	5,095,536	03/1992	Loper			
/DHM/	AE19	5,111,152	05/1992	Makino			
/DHM/	AF19	5,113,094	05/1992	Grace et al.			
/DHM/	AG19	5,113,129	05/1992	Hughes			
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/DHM/	AJ19	WO 95/01006 A1	01/1995	PCT			N/A
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/DHM/	AQ	19	Mousley, T.J. et al., "The efficient acquisition and processing of propagation statistics," <i>Journal of the Institution of Electronic and Radio Engineers</i> , IERE, Vol. 55, No. 3, pp. 97-103 (March 1985).
/DHM/	AR	19	Ndzi, D. et al., "Wide-Band Statistical Characterization of an Over-the-Sea Experimental Transhorizon Link," <i>IEE Colloquium on Radio Communications at Microwave and Millimetre Wave Frequencies</i> , IEE, pp. 1/1-1/6 (December 16, 1996).

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/DHM/	AB20	5,140,705	08/1992	Kosuga			
/DHM/	AC20	5,150,124	09/1992	Moore et al.			
/DHM/	AD20	5,151,661	09/1992	Caldwell et al.			
/DHM/	AE20	5,159,710	10/1992	Cusdin			
/DHM/	AF20	5,170,414	12/1992	Silvian			
/DHM/	AG20	5,172,070	12/1992	Hiraiwa et al.			
/DHM/	AH20	5,191,459	03/1993	Thompson et al.			
/DHM/	AI20	5,204,642	04/1993	Ashgar et al.			
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/DHM/	AJ20	JP 60-130203	07/1985	JP			Yes (Doc. A056)
/DHM/	AK20	DE 196 27 640 A1	01/1997	DE			No
/DHM/	AL20	EP 0 087 336 A1	08/1983	EP			No
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/DHM/	AO	<u>20</u>	"New zero IF chipset from Philips," <i>Electronic Engineering</i> , United News & Media, Vol. 67, No. 825, p. 10 (September 1995).				
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/DHM/	AA21	5,212,827	05/1993	Meszko <i>et al.</i>			
/DHM/	AB21	5,214,787	05/1993	Karkota, Jr.			
/DHM/	AC21	5,220,583	06/1993	Solomon			
/DHM/	AD21	5,220,680	06/1993	Lee			
/DHM/	AE21	5,222,144	06/1993	Whikehart			
/DHM/	AF21	5,230,097	07/1993	Currie <i>et al.</i>			
/DHM/	AG21	5,239,686	08/1993	Downey			
/DHM/	AH21	5,241,561	08/1993	Barnard			
/DHM/	AI21	5,249,203	09/1993	Loper			

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/DHM/	AJ21	EP 0 789 449 A2 & A3	08/1997	EP			N/A
/DHM/	AK21	FR 2 669 787 A1	05/1992	FR			No
/DHM/	AL21	GB 2 324 919 A	11/1998	GB			N/A
/DHM/	AM21	JP 61-30821	02/1986	JP			No

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/DHM/	AN	<u>21</u>	Pärssinen <i>et al.</i> , "A 2-GHz Subharmonic Sampler for Signal Downconversion," <i>IEEE Transactions on Microwave Theory and Techniques</i> , IEEE, Vol. 45, No. 12, 7 pages (December 1997).
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/DHM/	AR	<u>21</u>	Press Release, "Parkervision, Inc. Announces Fiscal 1993 Results," Lippert/Heilshorn and Associates, 2 Pages (April 6, 1994).

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/DHM/	AC22	5,260,970	11/1993	Henry et al.			
/DHM/	AD22	5,263,194	11/1993	Ragan			
/DHM/	AE22	5,263,196	11/1993	Jasper			
/DHM/	AF22	5,267,023	11/1993	Kawasaki			
/DHM/	AG22	5,278,826	01/1994	Murphy et al.			
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/DHM/	AK22	EP 0 643 477 A2 & A3	03/1995	EP			N/A
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/DHM/	AM22	EP 0 977 351 A1	02/2000	EP			N/A

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/DHM/	AN	<u>22</u>	Press Release, "Parkervision, Inc. Announces the Appointment of Michael Baker to the New Position of National Sales Manager," Lippert/Heilshorn and Associates, 1 Page (April 7, 1994).
/DHM/	AO	<u>22</u>	Press Release, "Parkervision's Cameraman Well-Received By Distance Learning Market," Lippert/Heilshorn and Associates, 2 Pages (April 8, 1994).
/DHM/	AP	<u>22</u>	Press Release, "Parkervision, Inc. Announces First Quarter Financial Results," Lippert/Heilshorn and Associates, 2 Pages (April 26, 1994).
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/DHM/	AR	<u>22</u>	Press Release, "Parkervision, Inc. Announces New Cameraman System II™ At Infocomm Trade Show," Lippert/Heilshorn and Associates, 3 Pages (June 9, 1994).

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/DHM/	AC23	5,307,517	04/1994	Rich			
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/DHM/	AE23	5,321,852	06/1994	Seong			
/DHM/	AF23	5,325,204	06/1994	Scarpa			
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/DHM/	AK23	JP 9-36664	02/1997	JP			No
/DHM/	AL23	DE 196 48 915 A1	06/1998	DE			Yes (Doc. AO59)
	AM						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/DHM/	AN	<u>23</u>	Press Release, "Parkervision, Inc. Announces Appointments to its National Sales Force," Lippert/Heilshorn and Associates, 2 Pages (June 17, 1994).
/DHM/	AO	<u>23</u>	Press Release, "Parkervision, Inc. Announces Second Quarter and Six Months Financial Results," Lippert/Heilshorn and Associates, 3 Pages (August 9, 1994).
/DHM/	AP	<u>23</u>	Press Release, "Parkervision, Inc. Announces Third Quarter and Nine Months Financial Results," Lippert/Heilshorn and Associates, 3 Pages (October 28, 1994).
/DHM/	AQ	<u>23</u>	Press Release, "Parkervision, Inc. Announces First Significant Dealer Sale of Its Cameraman® System II," Lippert/Heilshorn and Associates, 2 Pages (November 7, 1994).
/DHM/	AR	<u>23</u>	Press Release, "Parkervision, Inc. Announces Fourth Quarter and Year End Results," Lippert/Heilshorn and Associates, 2 Pages (March 1, 1995).

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/DHM/	AC24	5,369,800	11/1994	Takagi <i>et al.</i>			
/DHM/	AD24	5,375,146	12/1994	Chalmers			
/DHM/	AE24	5,379,040	01/1995	Mizomoto <i>et al.</i>			
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/DHM/	AG24	5,388,063	02/1995	Takatori <i>et al.</i>			
/DHM/	AH24	5,390,364	02/1995	Webster <i>et al.</i>			
/DHM/	AI24	5,400,084	03/1995	Scarpa			

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	AJ						Yes No
	AK						Yes No
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/DHM/	AN	<u>24</u>	Press Release, "Parkervision, Inc. Announces Joint Product Developments With VTEL," Lippert/Heilshorn and Associates, 2 Pages (March 21, 1995).
/DHM/	AO	<u>24</u>	Press Release, "Parkervision, Inc. Announces First Quarter Financial Results," Lippert/Heilshorn and Associates, 3 Pages (April 28, 1995).
/DHM/	AP	<u>24</u>	Press Release, "Parkervision Wins Top 100 Product Districts' Choice Award," Parkervision Marketing and Manufacturing Headquarters, 1 Page (June 29, 1995).
/DHM/	AQ	<u>24</u>	Press Release, "Parkervision National Sales Manager Next President of USDLA," Parkervision Marketing and Manufacturing Headquarters, 1 Page (July 6, 1995).
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/DHM/	AD25	5,412,352	05/1995	Graham			
/DHM/	AE25	5,416,803	05/1995	Janer			
/DHM/	AF25	5,422,913	06/1995	Wilkinson			
/DHM/	AG25	5,423,082	06/1995	Cygan et al.			
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/DHM/	AI25	5,428,640	06/1995	Townley			

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	AK						Yes No
	AL						Yes No
	AM						Yes No

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/DHM/	AN	<u>25</u>	Press Release, "Parkervision, Inc. Announces Second Quarter and Six Months Financial Results," Parkervision Marketing and Manufacturing Headquarters, 2 Pages (July 31, 1995).
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/DHM/	AR	<u>25</u>	Press Release, "Parkervision, Inc. Announces Third Quarter and Nine Months Financial Results," Parkervision Marketing and Manufacturing Headquarters, 2 Pages (October 30, 1995).

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/DHM/	AC26	5,444,415	08/1995	Dent et al.			
/DHM/	AD26	5,444,416	08/1995	Ishikawa et al.			
/DHM/	AE26	5,444,865	08/1995	Heck et al.			
/DHM/	AF26	5,446,421	08/1995	Kechkaylo			
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/DHM/	AH26	5,448,602	09/1995	Ohmori et al.			
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	AJ						Yes No
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/DHM/	AO	<u>26</u>	Press Release, "Parkervision, Inc. Announces Purchase Commitment From VTEL Corporation," Parkervision Marketing and Manufacturing Headquarters, 1 Page (February 26, 1996).
/DHM/	AP	<u>26</u>	Press Release, "ParkerVision, Inc. Announces Fourth Quarter and Year End Results," Parkervision Marketing and Manufacturing Headquarters, 2 Pages (February 27, 1996).
/DHM/	AQ	<u>26</u>	Press Release, "ParkerVision, Inc. Expands Its Product Line," Parkervision Marketing and Manufacturing Headquarters, 2 Pages (March 7, 1996).
/DHM/	AR	<u>26</u>	Press Release, "ParkerVision Files Patents for its Research of Wireless Technology," Parkervision Marketing and Manufacturing Headquarters, 1 Page (March 28, 1996).

EXAMINER	/David Malzahn/	DATE CONSIDERED 05/17/2007
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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 1744.1380000	APPLICATION NO. 10/719,058
		FIRST NAMED INVENTOR Gregory S. Rawlins	
		FILING DATE November 24, 2003	GROUP To Be Assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
/DHM/	AA27	5,454,007	09/1995	Dutta			
/DHM/	AB27	5,454,009	09/1995	Fruit et al.			
/DHM/	AC27	5,463,356	10/1995	Palmer			
/DHM/	AD27	5,463,357	10/1995	Hobden			
/DHM/	AE27	5,465,071	11/1995	Kobayashi et al.			
/DHM/	AF27	5,465,410	11/1995	Hiben et al.			
/DHM/	AG27	5,465,415	11/1995	Bien			
/DHM/	AH27	5,471,162	11/1995	McEwan			
/DHM/	AI27	5,479,120	12/1995	McEwan			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ						Yes No
	AK						Yes No
	AL						Yes No
	AM						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/DHM/	AN	27	Press Release, "Parkervision, Inc. Announces First Significant Sale of Its Cameraman® Three-Chip System," Parkervision Marketing and Manufacturing Headquarters, 2 pages (April 12, 1996).
/DHM/	AO	27	Press Release, "Parkervision, Inc. Introduces New Product Line For Studio Production Market," Parkervision Marketing and Manufacturing Headquarters, 2 Pages (April 15, 1996).
/DHM/	AP	27	Press Release, "Parkervision, Inc. Announces Private Placement of 800,000 Shares," Parkervision Marketing and Manufacturing Headquarters, 1 Page (April 15, 1996).
/DHM/	AQ	27	Press Release, "Parkervision, Inc. Announces First Quarter Financial Results," Parkervision Marketing and Manufacturing Headquarters, 3 Pages (April 30, 1996).
/DHM/	AR	27	Press Release, "ParkerVision's New Studio Product Wins Award," Parkervision Marketing and Manufacturing Headquarters, 2 Pages (June 5, 1996).

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/DHM/	AA28	5,479,447	12/1995	Chow et al.			
/DHM/	AB28	5,483,193	01/1996	Kennedy et al.			
/DHM/	AC28	5,483,549	01/1996	Weinberg et al.			
/DHM/	AD28	5,483,691	01/1996	Heck et al.			
/DHM/	AE28	5,490,173	02/1996	Whikehart et al.			
/DHM/	AF28	5,493,581	02/1996	Young et al.			
/DHM/	AG28	5,493,721	02/1996	Reis			
/DHM/	AH28	5,495,200	02/1996	Kwan et al.			
/DHM/	AI28	5,495,202	02/1996	Hsu			

FOREIGN PATENT DOCUMENTS

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	AJ						Yes No
	AK						Yes No
	AL						Yes No
	AM						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/DHM/	AN	<u>28</u>	Press Release, "Parkervision, Inc. Announces Second Quarter and Six Months Financial Results," Parkervision Marketing and Manufacturing Headquarters, 3 Pages (August 1, 1996).
/DHM/	AO	<u>28</u>	Press Release, "Parkervision, Inc. Announces Third Quarter and Nine Months Financial Results," Parkervision Marketing and Manufacturing Headquarters, 2 Pages (October 29, 1996).
/DHM/	AP	<u>28</u>	Press Release, "PictureTel and ParkerVision Sign Reseller Agreement," Parkervision Marketing and Manufacturing Headquarters, 2 Pages (October 30, 1996).
/DHM/	AQ	<u>28</u>	Press Release, "CLI and ParkerVision Bring Enhanced Ease-of-Use to Videoconferencing," CLI/Parkervision, 2 Pages (January 20, 1997).
/DHM/	AR	<u>28</u>	Press Release, "Parkervision, Inc. Announces Fourth Quarter and Year End Results," Parkervision Marketing and Manufacturing Headquarters, 3 Pages (February 27, 1997).

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/DHM/	AA29	5,495,500	02/1996	Jovanovich et al.			
/DHM/	AB29	5,499,267	03/1996	Ohe et al.			
/DHM/	AC29	5,500,758	03/1996	Thompson et al.			
/DHM/	AD29	5,517,688	05/1996	Fajen et al.			
/DHM/	AE29	5,519,890	05/1996	Pinckley			
/DHM/	AF29	5,523,719	06/1996	Longo et al.			
/DHM/	AG29	5,523,726	06/1996	Kroeger et al.			
/DHM/	AH29	5,523,760	06/1996	McEwan			
/DHM/	AI29	5,539,770	07/1996	Ishigaki			

FOREIGN PATENT DOCUMENTS

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	AJ						Yes No
	AK						Yes No
	AL						Yes No
	AM						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/DHM/	AN	<u>29</u>	Press Release, "Parkervision, Inc. Announces First Quarter Financial Results," Parkervision Marketing and Manufacturing Headquarters, 3 Pages (April 29, 1997).
/DHM/	AO	<u>29</u>	Press Release, "NEC and Parkervision Make Distance Learning Closer," NEC America, 2 Pages (June 18, 1997).
/DHM/	AP	<u>29</u>	Press Release, "Parkervision Supplies JPL with Robotic Cameras, Cameraman Shot Director for Mars Mission," Parkervision Marketing and Manufacturing Headquarters, 2 pages (July 8, 1997).
/DHM/	AQ	<u>29</u>	Press Release, "ParkerVision and IBM Join Forces to Create Wireless Computer Peripherals," Parkervision Marketing and Manufacturing Headquarters, 2 Pages (July 23, 1997).
/DHM/	AR	<u>29</u>	Press Release, "ParkerVision, Inc. Announces Second Quarter and Six Months Financial Results," Parkervision Marketing and Manufacturing Headquarters, 3 Pages (July 31, 1997).

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
/DHM/	AA30	5,555,453	09/1996	Kajimoto et al.			
/DHM/	AB30	5,557,641	09/1996	Weinberg			
/DHM/	AC30	5,557,642	09/1996	Williams			
/DHM/	AD30	5,579,341	11/1996	Smith et al.			
/DHM/	AE30	5,579,347	11/1996	Lindquist et al.			
/DHM/	AF30	5,584,068	12/1996	Mohindra			
/DHM/	AG30	5,592,131	01/1997	Labreche et al.			
/DHM/	AH30	5,602,847	02/1997	Pagano et al.			
/DHM/	AI30	5,602,868	02/1997	Wilson			

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	AJ						Yes No
	AK						Yes No
	AL						Yes No
	AM						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/DHM/	AN	<u>30</u>	Press Release, "Parkervision, Inc. Announces Private Placement of 990,000 Shares," Parkervision Marketing and Manufacturing Headquarters, 2 Pages (September 8, 1997).
/DHM/	AO	<u>30</u>	Press Release, "Wal-Mart Chooses Parkervision for Broadcast Production," Parkervision Marketing and Manufacturing Headquarters, 2 Pages (October 24, 1997).
/DHM/	AP	<u>30</u>	Press Release, "Parkervision, Inc. Announces Third Quarter Financial Results," Parkervision Marketing and Manufacturing Headquarters, 3 Pages (October 30, 1997).
/DHM/	AQ	<u>30</u>	Press Release, "ParkerVision Announces Breakthrough in Wireless Radio Frequency Technology," Parkervision Marketing and Manufacturing Headquarters, 3 Pages (December 10, 1997).
/DHM/	AR	<u>30</u>	Press Release, "Parkervision, Inc. Announces the Appointment of Joseph F. Skovron to the Position of Vice President, Licensing - Wireless Technologies," Parkervision Marketing and Manufacturing Headquarters, 2 Pages (January 9, 1998).

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
/DHM/	AA31	5,604,732	02/1997	Kim et al.			
/DHM/	AB31	5,608,531	03/1997	Honda et al.			
/DHM/	AC31	5,610,946	03/1997	Tanaka et al.			
/DHM/	AD31	RE 35,494	04/1997	Nicollini			
/DHM/	AE31	5,617,451	04/1997	Mimura et al.			
/DHM/	AF31	5,619,538	04/1997	Sempel et al.			
/DHM/	AG31	5,621,455	04/1997	Rogers et al.			
/DHM/	AH31	5,630,227	05/1997	Bella et al.			
/DHM/	AI31	5,640,415	06/1997	Pandula			

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ						Yes No
	AK						Yes No
	AL						Yes No
	AM						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/DHM/	AN	<u>31</u>	Press Release, "Parkervision Announces Existing Agreement with IBM Terminates– Company Continues with Strategic Focus Announced in December," Parkervision Marketing and Manufacturing Headquarters, 2 Pages (January 27, 1998).
/DHM/	AO	<u>31</u>	Press Release, "Laboratory Tests Verify Parkervision Wireless Technology," Parkervision Marketing and Manufacturing Headquarters, 2 Pages (March 3, 1998).
/DHM/	AP	<u>31</u>	Press Release, "Parkervision, Inc. Announces Fourth Quarter and Year End Financial Results," Parkervision Marketing and Manufacturing Headquarters, 3 Pages (March 5, 1998).
/DHM/	AQ	<u>31</u>	Press Release, "Parkervision Awarded Editors' Pick of Show for NAB 98," Parkervision Marketing and Manufacturing Headquarters, 2 Pages (April 15, 1998).
/DHM/	AR	<u>31</u>	Press Release, "Parkervision Announces First Quarter Financial Results," Parkervision Marketing and Manufacturing Headquarters, 3 Pages (May 4, 1998).

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
/DHM/	AA32	5,640,424	06/1997	Banavong et al.			
/DHM/	AB32	5,640,428	06/1997	Abe et al.			
/DHM/	AC32	5,640,698	06/1997	Shen et al.			
/DHM/	AD32	5,648,985	07/1997	Bjerede et al.			
/DHM/	AE32	5,650,785	07/1997	Rodal			
/DHM/	AF32	5,661,424	08/1997	Tang			
/DHM/	AG32	5,663,878	09/1997	Walker			
/DHM/	AH32	5,663,986	09/1997	Striffler			
/DHM/	AI32	5,668,836	09/1997	Smith et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ						Yes No
	AK						Yes No
	AL						Yes No
	AM						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/DHM/	AN	<u>32</u>	Press Release, "Parkervision 'DIRECT2DATA' Introduced in Response to Market Demand," Parkervision Marketing and Manufacturing Headquarters, 3 Pages (July 9, 1998).
/DHM/	AO	<u>32</u>	Press Release, "Parkervision Expands Senior Management Team," Parkervision Marketing and Manufacturing Headquarters, 2 Pages (July 29, 1998).
/DHM/	AP	<u>32</u>	Press Release, "Parkervision Announces Second Quarter and Six Month Financial Results," Parkervision Marketing and Manufacturing Headquarters, 4 Pages (July 30, 1998).
/DHM/	AQ	<u>32</u>	Press Release, "Parkervision Announces Third Quarter and Nine Month Financial Results," Parkervision Marketing and Manufacturing Headquarters, 3 Pages (October 30, 1998).
/DHM/	AR	<u>32</u>	Press Release, "Questar Infocomm, Inc. Invests \$5 Million in Parkervision Common Stock," Parkervision Marketing and Manufacturing Headquarters, 3 Pages (December 2, 1998).

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA33	5,680,078	10/1997	Ariie			
	AB33	5,680,418	10/1997	Croft et al.			
	AC33	5,689,413	11/1997	Jaramillo et al.			
	AD33	5,699,006	12/1997	Zele et al.			
	AE33	5,705,955	01/1998	Freeburg et al.			
	AF33	5,710,998	01/1998	Opas			
	AG33	5,714,910	02/1998	Skoczen et al.			
	AH33	5,715,281	02/1998	Bly et al.			
	AI33	5,721,514	02/1998	Crockett et al.			

FOREIGN PATENT DOCUMENTS

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	AJ						Yes No
	AK						Yes No
	AL						Yes No
	AM						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AN	<u>33</u>	Press Release, "Parkervision Adds Two New Directors," Parkervision Marketing and Manufacturing Headquarters, 2 Pages (March 5, 1999).
	AO	<u>33</u>	Press Release, "Parkervision Announces Fourth Quarter and Year End Financial Results," Parkervision Marketing and Manufacturing Headquarters, 3 Pages (March 5, 1999).
	AP	<u>33</u>	Press Release, "Joint Marketing Agreement Offers New Automated Production Solution," Parkervision Marketing and Manufacturing Headquarters, 2 Pages (April 13, 1999).
	AQ	<u>33</u>	"Project COST 205: Scintillations in Earth-satellite links," Alta Frequenza: Scientific Review in Electronics, AEI, Vol. LIV, No. 3, pp. 209-211 (May-June, 1985).
	AR	<u>33</u>	Razavi, B., RF Microelectronics, Prentice-Hall, pp. 147-149 (1998).

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D H. Mazzuhn

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/DHM/	AA34	5,724,002	03/1998	Hulick			
/DHM/	AB34	5,724,653	03/1998	Baker et al.			
/DHM/	AC34	5,729,577	03/1998	Chen			
/DHM/	AD34	5,729,829	03/1998	Tahwar et al.			
/DHM/	AE34	5,732,333	03/1998	Cox et al.			
/DHM/	AF34	5,736,895	04/1998	Yu et al.			
/DHM/	AG34	5,737,035	04/1998	Rotzoll			
/DHM/	AH34	5,742,189	04/1998	Yoshida et al.			
/DHM/	AI34	5,748,683	05/1998	Smith et al.			

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	AJ						Yes No
	AK						Yes No
	AL						Yes No
	AM						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/DHM/	AN	<u>34</u>	Reeves, R.J.D., "The Recording and Collocation of Waveforms (Part 1)," <i>Electronic Engineering</i> , Morgan Brothers Limited, Vol. 31, No. 373, pp. 130-137 (March 1959).
/DHM/	AO	<u>34</u>	Reeves, R.J.D., "The Recording and Collocation of Waveforms (Part 2)," <i>Electronic Engineering</i> , Morgan Brothers Limited, Vol. 31, No. 374, pp. 204-212 (April 1959).
/DHM/	AP	<u>34</u>	Rein, H.M. and Zahn, M., "Subnanosecond-Pulse Generator with Variable Pulsewidth Using Avalanche Transistors," <i>Electronics Letters</i> , IEE, Vol. 11, No. 1, pp. 21-23 (January 9, 1975).
/DHM/	AQ	<u>34</u>	Riad, S.M. and Nahman, N.S., "Modeling of the Feed-through Wideband (DC to 12.4 Ghz) Sampling-Head," <i>IEEE MTT-S International Microwave Symposium Digest</i> , IEEE, pp. 267-269 (June 27-29, 1978).
/DHM/	AR	<u>34</u>	Rizzoli, V. et al., "Computer-Aided Noise Analysis of MESFET and HEMT Mixers," <i>IEEE Transactions on Microwave Theory and Techniques</i> , IEEE, Vol. 37, No. 9, pp. 1401-1410 (September 1989).

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/DHM/	AA35	RE 35,829	06/1998	Sanderford, Jr.			
/DHM/	AB35	5,760,645	06/1998	Comte et al.			
/DHM/	AC35	5,764,087	06/1998	Clark			
/DHM/	AD35	5,767,726	06/1998	Wang			
/DHM/	AE35	5,768,118	06/1998	Faulk et al.			
/DHM/	AF35	5,771,442	06/1998	Wang, et al.			
/DHM/	AG35	5,777,692	07/1998	Ghosh			
/DHM/	AH35	5,777,771	07/1998	Smith			
/DHM/	AI35	5,786,844	07/1998	Rogers et al.			

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	AJ						Yes No
	AK						Yes No
	AL						Yes No
	AM						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/DHM/	AN	<u>35</u>	Rowe, H.E., <i>Signals and Noise in Communication Systems</i> , D. Van Nostrand Company, Inc., Princeton, New Jersey, including, for example, Chapter V, Pulse Modulation Systems (1965).
/DHM/	AO	<u>35</u>	Rücker, F. and Dintelmann, F., "Effect of Antenna Size on OTS Signal Scintillations and Their Seasonal Dependence," <i>Electronics Letters</i> , IEE, Vol. 19, No. 24, pp. 1032-1034 (November 24, 1983).
/DHM/	AP	<u>35</u>	Russell, R. and Hoare, L., "Millimeter Wave Phase Locked Oscillators," <i>Military Microwaves '78 Conference Proceedings</i> , Microwave Exhibitions and Publishers, pp. 238-242 (October 25-27, 1978).
/DHM/	AQ	<u>35</u>	Sabel, L.P., "A DSP Implementation of a Robust Flexible Receiver/Demultiplexer for Broadcast Data Satellite Communications," <i>The Institution of Engineers Australia Communications Conference</i> , Institution of Engineers, Australia, pp. 218-223 (October 16-18, 1990).
/DHM/	AR	<u>35</u>	Salous, S., "IF digital generation of FMCW waveforms for wideband channel characterization," <i>IEE Proceedings-I</i> , IEE, Vol. 139, No. 3, pp. 281-288 (June 1992).

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U.S. PATENT DOCUMENTS

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/DHM/	AA36	5,793,801	08/1998	Fertner			
/DHM/	AB36	5,793,818	08/1998	Claydon et al.			
/DHM/	AC36	5,802,463	09/1998	Zuckerman			
/DHM/	AD36	5,809,060	09/1998	Cafarella et al.			
/DHM/	AE36	5,818,582	10/1998	Fernandez et al.			
/DHM/	AF36	5,825,254	10/1998	Lee			
/DHM/	AG36	5,834,985	11/1998	Sundegård			
/DHM/	AH36	5,864,754	01/1999	Hotto			
/DHM/	AI36	5,881,375	03/1999	Bonds			

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	AJ						Yes No
	AK						Yes No
	AL						Yes No
	AM						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/DHM/	AN	<u>36</u>	"Sampling Loops Lock Sources to 23 Ghz," <i>Microwaves & RF</i> , Penton Publishing, p. 212 (September 1990).
/DHM/	AO	<u>36</u>	Sasikumar, M. et al., "Active Compensation in the Switched-Capacitor Biquad," <i>Proceedings of the IEEE</i> , IEEE, Vol. 71, No. 8, pp. 1008-1009 (August 1983).
/DHM/	AP	<u>36</u>	Saul, P.H., "A GaAs MESFET Sample and Hold Switch," <i>Fifth European Solid State Circuits Conference-ESSCIRC 79</i> , IEE, pp. 5-7 (1979).
/DHM/	AQ	<u>36</u>	Shen, D.H. et al., "A 900-MHZ RF Front-End with Integrated Discrete-Time Filtering," <i>IEEE Journal of Solid-State Circuits</i> , IEEE Solid-State Circuits Council, Vol. 31, No. 12, pp. 1945-1954 (December 1996).
/DHM/	AR	<u>36</u>	Shen, X.D. and Vilar, E., "Anomalous transhorizon propagation and meteorological processes of a multilink path," <i>Radio Science</i> , American Geophysical Union, Vol. 30, No. 5, pp. 1467-1479 (September-October 1995).

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/DHM/	AA37	5,892,380	04/1999	Quist			
/DHM/	AB37	5,894,239	04/1999	Bonaccio et al.			
/DHM/	AC37	5,896,562	04/1999	Heinonen			
/DHM/	AD37	5,900,747	05/1999	Brauns			
/DHM/	AE37	5,901,054	05/1999	Leu et al.			
/DHM/	AF37	5,901,187	05/1999	Iinuma			
/DHM/	AG37	5,901,344	05/1999	Opas			
/DHM/	AH37	5,901,347	05/1999	Chambers et al.			
/DHM/	AI37	5,901,348	05/1999	Bang et al.			

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	AJ						Yes No
	AK						Yes No
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/DHM/ /	AN /	37	Shen, X. and Tawfik, A.N., "Dynamic Behaviour of Radio Channels Due to Trans-Horizon Propagation Mechanisms," <i>Electronics Letters</i> , IEE, Vol. 29, No. 17, pp. 1582-1583 (August 19, 1993).
/DHM/	AO	37	Shen, X. et al., "Modeling Enhanced Spherical Diffraction and Troposcattering on a Transhorizon Path with aid of the parabolic Equation and Ray Tracing Methods," <i>IEE Colloquium on Common modeling techniques for electromagnetic wave and acoustic wave propagation</i> , IEE, pp. 4/1-4/7 (March 8, 1996).
/DHM/	AP	37	Shen, X. and Vilar, E., "Path loss statistics and mechanisms of transhorizon propagation over a sea path," <i>Electronics Letters</i> , IEE, Vol. 32, No. 3, pp. 259-261 (February 1, 1996).
/DHM/	AQ	37	Shen, D. et al., "A 900 MHZ Integrated Discrete-Time Filtering RF Front-End," <i>IEEE International Solid State Circuits Conference</i> , IEEE, Vol. 39, pp. 54-55 and 417 (February 1996).
/DHM/	AR	37	Spillard, C. et al., "X-Band Tropospheric Transhorizon Propagation Under Differing Meteorological Conditions," <i>Sixth International Conference on Antennas and Propagation (ICAP 89) Part 2: Propagation</i> , IEE, pp. 451-455 (April 4-7, 1989).

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/DHM/	AA38	5,901,349	05/1999	Guegaud et al.			
/DHM/	AB38	5,903,178	05/1999	Miyatsuji et al.			
/DHM/	AC38	5,903,187	05/1999	Claverle et al.			
/DHM/	AD38	5,903,196	05/1999	Salvi et al.			
/DHM/	AE38	5,903,421	05/1999	Furutani et al.			
/DHM/	AF38	5,903,553	05/1999	Sakamoto et al.			
/DHM/	AG38	5,903,595	05/1999	Suzuki			
/DHM/	AH38	5,903,609	05/1999	Kool et al.			
/DHM/	AI38	5,903,827	05/1999	Kennan et al.			

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	AK						Yes No
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/DHM/	AN	<u>38</u>	Stafford, K.R. et al., "A Complete Monolithic Sample/Hold Amplifier," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. SC-9, No. 6, pp. 381-387 (December 1974).
/DHM/	AO	<u>38</u>	Staruk, W. Jr. et al., "Pushing HF Data Rates," <i>Defense Electronics, EW Communications</i> , Vol. 17, No. 5, pp. 211, 213, 215, 217, 220 and 222 (May 1985).
/DHM/	AP	<u>38</u>	Stephenson, A.G., "Digitizing multiple RF signals requires an optimum sampling rate," <i>Electronics</i> , McGraw-Hill, pp. 106-110 (March 27, 1972).
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/DHM/	AR	<u>38</u>	Sylvain, M., "Experimental probing of multipath microwave channels," <i>Radio Science</i> , American Geophysical Union, Vol. 24, No. 2, pp. 160-178 (March-April 1989).

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/DHM/	AB39	5,905,449	05/1999	Tsubouchi et al.			
/DHM/	AC39	5,907,149	05/1999	Marckini			
/DHM/	AD39	5,907,197	05/1999	Faulk			
/DHM/	AE39	5,911,116	06/1999	Nossowitz			
/DHM/	AF39	5,911,123	06/1999	Shaffer et al.			
/DHM/	AG39	5,914,622	06/1999	Inoue			
/DHM/	AH39	5,920,199	07/1999	Sauer			
/DHM/	AI39	5,943,370	08/1999	Smith			

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/DHM/	AN	<u>39</u>	Takano, T., "NOVEL GaAs Pet Phase Detector Operable To Ka Band," <i>IEEE MT-S Digest</i> , IEEE, pp. 381-383 (1984).
/DHM/	AO	<u>39</u>	Tan, M.A., "Biquadratic Transconductance Switched-Capacitor Filters," <i>IEEE Transactions on Circuits and Systems- I: Fundamental Theory and Applications</i> , IEEE Circuits and Systems Society, Vol. 40, No. 4, pp. 272-275 (April 1993).
/DHM/	AP	<u>39</u>	Tanaka, K. et al., "Single Chip Multisystem AM Stereo Decoder IC," <i>IEEE Transactions on Consumer Electronics</i> , IEEE Consumer Electronics Society, Vol. CE-32, No. 3, pp. 482-496 (August 1986).
/DHM/	AQ	<u>39</u>	Tawfik, A.N., "Amplitude, Duration and Predictability of Long Hop Trans-Horizon X-band Signals Over the Sea," <i>Electronics Letters</i> , IEE, Vol. 28, No. 6, pp. 571-572 (March 12, 1992).
/DHM/	AR	<u>39</u>	Tawfik, A.N. and Vilar, E., "Correlation of Transhorizon Signal Level Strength with Localized Surface Meteorological Parameters," <i>Eighth International Conference on Antennas and Propagation</i> , Electronics Division of the IEE, pp. 335-339 (March 30- April 2, 1993).

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/DHM/	AA40	4,017,798	04/1977	Gordy et al.			
/DHM/	AB40	4,032,847	06/1977	Unkauf			
/DHM/	AC40	4,253,067	02/1981	Caples et al.			
/DHM/	AD40	4,393,395	07/1983	Hacke et al.			
/DHM/	AE40	4,816,704	03/1989	Flori, Jr.			
/DHM/	AF40	4,841,265	06/1989	Watanabe et al.			
/DHM/	AG40	4,943,974	07/1990	Motamedi			
/DHM/	AH40	5,115,409	05/1992	Stepp			
/DHM/	AI40	5,353,306	10/1994	Yamamoto			

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	AJ						Yes No
	AK						Yes No
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/DHM/	AN	40	Tawfik, A.N. and Vilar, E., "Dynamic Structure of a Transhorizon Signal at X-band Over a Sea Path," <i>Sixth International Conference on Antennas and Propagation (ICAP 89) Part 2: Propagation</i> , IEE, pp. 446-450 (April 4-7, 1989).
/DHM/	AO	40	Tawfik, A.N. and Vilar, E., "Statistics of Duration and Intensity of Path Loss In a Microwave Transhorizon Sea-Path," <i>Electronics Letters</i> , IEE, Vol. 26, No. 7, pp. 474-476 (March 29, 1990).
/DHM/	AP	40	Tawfik, A.N. and Vilar, E., "X-Band Transhorizon Measurements of CW Transmissions Over the Sea- Part 1: Path Loss, Duration of Events, and Their Modeling," <i>IEEE Transactions on Antennas and Propagation</i> , IEEE Antennas and Propagation Society, Vol. 41, No. 11, pp. 1491-1500 (November 1993).
/DHM/	AQ	40	Temes, G.C. and Tsividis, T., "The Special Section on Switched-Capacitor Circuits," <i>Proceedings of the IEEE</i> , IEEE, Vol. 71, No. 8, pp. 915-916 (August 1983).
/DHM/	AR	40	Thomas, G.B., <i>Calculus and Analytic Geometry</i> , Third Edition, Addison-Wesley Publishing, pp. 119-133 (1960).

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/DHM/	AA41	5,515,014	05/1996	Troutman			
/DHM/	AB41	5,563,550	10/1996	Toth			
/DHM/	AC41	5,574,755	11/1996	Persico			
/DHM/	AD41	5,604,592	02/1997	Kotidis et al.			
/DHM/	AE41	5,638,396	06/1997	Klimek			
/DHM/	AF41	5,675,392	10/1997	Nayebi et al.			
/DHM/	AG41	5,694,096	12/1997	Ushiroku et al.			
/DHM/	AH41	5,757,870	05/1998	Miya et al.			
/DHM/	AI41	5,768,323	06/1998	Kroeger et al.			

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	AJ						Yes No
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/DHM/	AN	41	Tomassetti, Q., "An Unusual Microwave Mixer," 16 th European Microwave Conference, Microwave Exhibitions and Publishers, pp. 754-759 (September 8-12, 1986).
/DHM/	AO	41	Tortoli, P. et al., "Bidirectional Doppler Signal Analysis Based on a Single RF Sampling Channel," IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, IEEE Ultrasonics, Ferroelectrics, and Frequency Control Society, Vol. 41, No. 1, pp. 1-3 (January 1984).
/DHM/	AP	41	Tsividis, Y. and Antognetti, P. (Ed.), <i>Design of MOS VLSI Circuits for Telecommunications</i> , Prentice-Hall, p. 304 (1985).
/DHM/	AQ	41	Tsividis, Y., "Principles of Operation and Analysis of Switched-Capacitor Circuits," Proceedings of the IEEE, IEEE, Vol. 71, No. 8, pp. 926-940 (August 1983).
/DHM/	AR	41	Tsurumi, H. and Maeda, T., "Design Study on a Direct Conversion Receiver Front-End for 280 MHZ, 900 MHZ, and 2.6 Ghz Band Radio Communication Systems," 41 st IEEE Vehicular Technology Conference, IEEE Vehicular Technology Society, pp. 457-462 (May 19-22, 1991).

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/DHM/	AA42	5,770,985	06/1998	Ushiroku et al.			
/DHM/	AB42	5,778,022	07/1998	Walley			
/DHM/	AC42	5,812,546	09/1998	Zhou et al.			
/DHM/	AD42	5,818,869	10/1998	Miya et al.			
/DHM/	AE42	5,844,449	12/1998	Abeno et al.			
/DHM/	AF42	5,872,446	02/1999	Cranford, Jr. et al.			
/DHM/	AG42	5,909,447	06/1999	Cox et al.			
/DHM/	AH42	5,933,467	08/1999	Sehier et al.			
/DHM/	AI42	5,952,895	09/1999	McCune, Jr. et al.			

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	AJ						Yes No
	AK						Yes No
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	AM						Yes No

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/DHM/	AN	42	Valdmanis, J.A. et al., "Picosecond and Subpicosecond Optoelectronics for Measurements of Future High Speed Electronic Devices," <i>IEDM Technical Digest</i> , IEEE, pp. 597-600 (December 5-7, 1983).
/DHM/	AO	42	van de Kamp, M.M.J.L., "Asymmetric signal level distribution due to tropospheric scintillation," <i>Electronics Letters</i> , IEE, Vol. 34, No. 11, pp. 1145-1146 (May 28, 1998).
/DHM/	AP	42	Vasseur, H. and Vanhoenacker, D., "Characterization of tropospheric turbulent layers from radiosonde data," <i>Electronics Letters</i> , IEE, Vol. 34, No. 4, pp. 318-319 (February 19, 1998).
/DHM/	AQ	42	Verdone, R., "Outage Probability Analysis for Short-Range Communication Systems at 60 Ghz in ATT Urban Environments," <i>IEEE Transactions on Vehicular Technology</i> , IEEE Vehicular Technology Society, Vol. 46, No. 4, pp. 1027-1039 (November 1997).
/DHM/	AR	42	Viera-Ribeiro, S.A., <i>Single-IF DECT Receiver Architecture using a Quadrature Sub-Sampling Band-Pass Sigma-Delta Modulator</i> , Thesis for Degree of Master's of Engineering, Carleton University, UMI Dissertation Services, pp. 1-180 (April 1995).

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/DHM/	AA43	5,960,033	09/1999	Shibano et al.			
/DHM/	AB43	6,041,073	03/2000	Davidovici et al.			
/DHM/	AC43	6,054,889	04/2000	Kobayashi			
/DHM/	AD43	6,084,922	07/2000	Zhou et al.			
/DHM/	AE43	6,125,271	09/2000	Rowland et al.			
/DHM/	AF43	6,147,340	11/2000	Levy			
/DHM/	AG43	6,147,763	11/2000	Steinlechner			
/DHM/	AH43	6,150,890	11/2000	Damgaard et al.			
/DHM/	AI43	5,126,682	06/1992	Weinberg et al.			

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	AJ						Yes No
	AK						Yes No
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	AM						Yes No

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/DHM/	AN	<u>43</u>	Vilar, E. et al., "A Comprehensive/Selective MM-Wave Satellite Downlink Experiment on Fadé Dynamics," <i>Tenth International Conference on Antennas and Propagation</i> , Electronics Division of the IEE, pp. 2.98-2.101 (April 14-17, 1997).
/DHM/	AO	<u>43</u>	Vilar, E. et al., "A System to Measure LOS Atmospheric Transmittance at 19 Ghz," <i>AGARD Conference Proceedings No. 346: Characteristics of the Lower Atmosphere Influencing Radio Wave Propagation</i> , AGARD, pp. 8-1 - 8-16 (October 4-7, 1983).
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/DHM/	AQ	<u>43</u>	Vilar, E. et al., "A Wide Band Transhorizon Experiment at 11.6 Ghz," <i>Eighth International Conference on Antennas and Propagation</i> , Electronics Division of the IEE, pp. 441-445 (March 30- April 2, 1993).
/DHM/	AR	<u>43</u>	Vilar, E. and Matthews, P.A., "Amplitude Dependence of Frequency in Oscillators," <i>Electronics Letters</i> , IEE, Vol. 8, No. 20, pp. 509-511 (October 5, 1972).

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/DHM/	AA44	5,841,811	11/1998	Song			
/DHM/	AB44	4,051,475	09/1977	Campbell			
/DHM/	AC44	5,953,642	09/1999	Feldkeller et al.			
/DHM/	AD44	4,653,117	03/1987	Heck			
/DHM/	AE44	5,859,878	01/1999	Phillips et al.			
/DHM/	AF44	5,894,496	04/1999	Jones			
/DHM/	AG44	5,915,278	06/1999	Mallick			
/DHM/	AH44	6,028,887	02/2000	Harrison et al.			
/DHM/	AI44	6,081,691	06/2000	Renard et al.			

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	AK						Yes No
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/DHM/	AN	<u>44</u>	Vilar, E. et al., "An experimental mm-wave receiver system for measuring phase noise due to atmospheric turbulence," <i>Proceedings of the 25th European Microwave Conference</i> , Nexus House, pp. 114-119 (1995).
/DHM/	AO	<u>44</u>	Vilar, E. and Burgueño, A., "Analysis and Modeling of Time Intervals Between Rain Rate Exceedances in the Context of Fade Dynamics," <i>IEEE Transactions on Communications</i> , IEEE Communications Society, Vol. 39, No. 9, pp. 1306-1312 (September 1991).
/DHM/	AP	<u>44</u>	Vilar, E. et al., "Angle of Arrival Fluctuations in High and Low Elevation Earth Space Paths," <i>Fourth International Conference on Antennas and Propagation (ICAP 85)</i> , Electronics Division of the IEE, pp. 83-88 (April 16-19, 1985).
/DHM/	AQ	<u>44</u>	Vilar, E., "Antennas and Propagation: A Telecommunications Systems Subject," <i>Electronics Division Colloquium on Teaching Antennas and Propagation to Undergraduates</i> , IEE, pp. 7/1-7/6 (March 8, 1988).

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/DHM/	AA45	6,121,819	09/2000	Traylor			
/DHM/	AB45	6,144,236	11/2000	Vice et al.			
/DHM/	AC45	6,144,846	11/2000	Durec			
/DHM/	AD45	6,175,728 B1	01/2001	Mitama			
/DHM/	AE45	5,705,949	01/1998	Alelyunas et al.			
/DHM/	AF45	5,883,548	03/1999	Assard et al.			
/DHM/	AG45	4,484,143	11/1984	French et al.			
/DHM/	AH45	5,841,324	11/1998	Williams			
/DHM/	AI45	4,855,894	08/1989	Asahi et al.			

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			FIRST NAMED INVENTOR Gregory S. Rawlins	
			FILING DATE November 24, 2003	GROUP To Be Assigned

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			FIRST NAMED INVENTOR <i>Gregory S. Rawlins</i>	
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	AJ						Yes No
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/DHM/	AF54	6,178,319 B1	01/2001	Kashima			
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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT			ATTY. DOCKET NO. 1744.1380000	APPLICATION NO. 10/719,058
			FIRST NAMED INVENTOR Gregory S. Rawlins	
			FILING DATE November 24, 2003	GROUP To Be Assigned

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/DHM/	AA55	4,633,510	12/1986	Suzuki <i>et al.</i>			
/DHM/	AB55	5,369,789	11/1994	Kosugi <i>et al.</i>			
/DHM/	AC55	5,416,449	05/1995	Joshi			
/DHM/	AD55	5,438,329	08/1995	Gastouniotis <i>et al.</i>			
/DHM/	AE55	6,611,569 B1	08/2003	Schier <i>et al.</i>			
/DHM/	AF55	6,647,250 B1	11/2003	Bultman <i>et al.</i>			
/DHM/	AG55	5,682,099	10/1997	Thompson <i>et al.</i>			
/DHM/	AH55	6,094,084	07/2000	Abou-Allam <i>et al.</i>			
/DHM/	AI55	6,067,329	05/2000	Kato <i>et al.</i>			

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ						Yes No
	AK						Yes No
	AL						Yes No
	AM						Yes No

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/DHM/	AN	<u>55</u>	English-language Abstract of Japanese Patent Publication No. 07-154344, from http://www1.ipdl.jpo.go.jp , 2 Pages (June 16, 1995 - Date of publication of application).
/DHM/	AO	<u>55</u>	English-language Abstract of Japanese Patent Publication No. 07-307620, from http://www1.ipdl.jpo.go.jp , 2 Pages (November 21, 1995 - Date of publication of application).
/DHM/	AP	<u>55</u>	Oppenheim, A.V. and Schafer, R.W., <i>Digital Signal Processing</i> , Prentice-Hall, pp. vii-x, 6-35, 45-78, 87-121 and 136-165 (1975).
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/DHM/	AR	<u>55</u>	English-language Abstract of Japanese Patent Publication No. 63-065587, from http://www1.ipdl.jpo.go.jp , 2 Pages (March 24, 1988 - Date of publication of application).

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			FIRST NAMED INVENTOR Gregory S. Rawlins	
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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/DHM/	AB56	6,608,647 B1	08/2003	King			
/DHM/	AC56	6,687,493 B1	02/2004	Sorrells et al.			
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/DHM/	AF56	5,955,992	09/1999	Shattil			
/DHM/	AG56	5,999,561	12/1999	Naden et al.			
/DHM/	AH56	6,686,879 B2	02/2004	Shattil			
/DHM/	AI56	6,704,549 B1	03/2004	Sorrells et al.			

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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	AK						Yes No
	AL						Yes No
	AM						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/DHM/	AN	<u>56</u>	English-language Abstract of Japanese Patent Publication No. 63-153691, from http://www1.ipdl.jpo.go.jp , 2 Pages (June 27, 1988 - Date of publication of application).
/DHM/	AO	<u>56</u>	Translation of Japanese Patent Publication No. 60-130203, 3 pages (July 11, 1985- Date of publication of application).
/DHM/	AP	<u>56</u>	Razavi, B., "A 900-MHz/1.8-Ghz CMOS Transmitter for Dual-Band Applications," <i>Symposium on VLSI Circuits Digest of Technical Papers</i> , IEEE, pp. 128-131 (1998).
/DHM/	AQ	<u>56</u>	Ritter, G.M., "SDA, A New Solution for Transceivers," <i>16th European Microwave Conference</i> , Microwave Exhibitions and Publishers, pp. 729-733 (September 8, 1986).
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/DHM/	AA57	6,704,558 B1	03/2004	Sorrells et al.			
/DHM/	AB57	5,490,176	02/1996	Peltier			
/DHM/	AC57	5,970,053	10/1999	Schick et al.			
/DHM/	AD57	6,078,630	06/2000	Prasanna			
/DHM/	AE57	6,600,911 B1	07/2003	Morishige et al.			
/DHM/	AF57	5,179,731	01/1993	Tränkle et al.			
/DHM/	AG57	5,589,793	12/1996	Kassapian			
/DHM/	AH57	4,510,467	04/1985	Chang et al.			
/DHM/	AI57	4,772,853	09/1988	Hart			

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ						Yes No
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	AM						Yes No

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/DHM/	AN	57	Akos, D.M. et al., "Direct Bandpass Sampling of Multiple Distinct RF Signals," <i>IEEE Transactions on Communications</i> , IEEE, Vol. 47, No. 7, pp. 983-988 (July 1999).
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/DHM/	AA58	4,972,436	11/1990	Halim et al.			
/DHM/	AB58	5,012,245	04/1991	Scott et al.			
/DHM/	AC58	5,422,909	06/1995	Love et al.			
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/DHM/	AN	58	Dines, J.A.B., "Smart Pixel Optoelectronic Receiver Based on a Charge Sensitive Amplifier Design," <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , IEEE, Vol. 2, No. 1, pp. 117-120 (April 1996).
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/DHM/	AP	58	Stewart, R.W. and Pfann, E., "Oversampling and sigma-delta strategies for data conversion," <i>Electronics & Communication Engineering Journal</i> , IEEE, pp. 37-47 (February 1998).
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			FIRST NAMED INVENTOR <i>Gregory S. Rawlins</i>	
			FILING DATE November 24, 2003	GROUP <i>To Be Assigned</i>

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/DHM/	AF59	6,531,979 B1	03/2003	Hynes			
/DHM/	AG59	6,018,262	01/2000	Noro et al.			
/DHM/	AH59	4,761,798	08/1988	Grisowid, Jr. et al.			
/DHM/	AI59	5,982,315	11/1999	Bazarjani et al.			

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05/17/2007

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/DHM/	AA60	6,459,721 B1	10/2002	Mochizuki et al.			
/DHM/	AB60	6,151,354	11/2000	Abbey			
/DHM/	AC60	6,169,733 B1	01/2001	Lee			
/DHM/	AD60	6,363,262 B1	03/2002	McNicol			
/DHM/	AE60	6,697,603 B1	02/2004	Lovinggood et al.			
/DHM/	AF60	5,282,222	01/1994	Fattouche et al.			
/DHM/	AG60	5,949,827	09/1999	DeLuca et al.			
/DHM/	AH60	6,014,176	01/2000	Nayebi et al.			
/DHM/	AI60	5,678,226	10/1997	Li et al.			

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	AJ						Yes No
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
/DHM/	AA61	5,760,632	06/1998	Kawakami et al.			
/DHM/	AB61	6,160,280	12/2000	Bonn et al.			
/DHM/	AC61	5,481,570	01/1996	Winters			
/DHM/	AD61	5,745,846	04/1998	Myer et al.			
/DHM/	AE61	5,345,239	09/1994	Madni et al.			
/DHM/	AF61	4,132,952	01/1979	Hongu et al.			
/DHM/	AG61	5,260,973	11/1993	Watanabe			
/DHM/	AH61	6,307,894 B2	10/2001	Eidson et al.			
/DHM/	AI61	6,091,289	07/2000	Song et al.			

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/DHM/	AC62	4,441,080	04/1984	Saari			
/DHM/	AD62	4,873,492	10/1989	Myer			
/DHM/	AE62	5,697,074	12/1997	Makikallio et al.			
/DHM/	AF62	5,784,689	07/1998	Kobayashi			
/DHM/	AG62	6,335,656 B1	01/2002	Goldfarb et al.			
/DHM/	AH62	6,690,232 B2	02/2004	Ueno et al.			
/DHM/	AI62	5,636,140	06/1997	Lee et al.			

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	AJ						Yes No
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/DHM/	AB63	6,600,795 B1	07/2003	Ohta et al.			
/DHM/	AC63	4,250,458	02/1981	Richmond et al.			
/DHM/	AD63	5,760,629	06/1998	Urabe et al.			
/DHM/	AE63	6,084,465	07/2000	Dasgupta			
/DHM/	AF63	6,204,789 B1	03/2001	Nagata			
/DHM/	AG63	6,064,054	05/2000	Waczynski et al.			
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	AL						Yes No
	AM						Yes No

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			FIRST NAMED INVENTOR Gregory S. Rawlins	
			FILING DATE November 24, 2003	GROUP To Be Assigned

U.S. PATENT DOCUMENTS

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/DHM/	AB64	6,005,903	12/1999	Mendelovicz			
/DHM/	AC64	5,834,979	11/1998	Yatsuka			
/DHM/	AD64	6,798,351 B1	09/2004	Sorrells et al.			
/DHM/	AE64	6,813,485 B2	11/2004	Sorrells et al.			
/DHM/	AF64	5,410,270	04/1995	Rybicki et al.			
/DHM/	AG64	6,509,777 B2	01/2003	Razavi et al.			
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	AI						

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	AK						Yes No
	AL						Yes No
	AM						Yes No

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AUG 09 2005
PATENT AND TRADEMARK OFFICE
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1744.1380000

APPLICATION NO.
10/719,058

INVENTORS

RAWLINS et al.

FILING DATE

November 24, 2003

ART UNIT
2193

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
/DHM/	AH64	5,982,329	11/1999	Pittman et al.			
/DHM/	AI64	6,208,636 B1	03/2001	Tawil et al.			

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	AJ						Yes No
	AK						Yes No
	AL						Yes No
	AM23	DE 692 21 098 T2	01/1998	DE			No

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EXAMINER INITIAL	DOC. REF.	CITATION
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/DHM/	AP59	Deboo, Gordon J., <i>Integrated Circuits and Semiconductor Devices</i> , 2nd Edition, McGraw-Hill, Inc., pp. 41-45 (1977).
/DHM/	AQ59	Hellwarth, G.A. and Jones, G.D., "Automatic Conditioning of Speech Signals," <i>IEEE Transactions on Audio and Electroacoustics</i> , Vol. AU-16, No. 2, pp. 169-179 (June 1968).
/DHM/	AR59	English Abstract for German Patent No. DE 692 21 098 T2, 1 page, data supplied from the espacenet.

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FORM PTO-1449 AUG 09 2005

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TRADEMARK OFFICEATTY. DOCKET NO.
1744.1380000APPLICATION NO.
10/719,058INVENTORS
RAWLINS et al.FILING DATE
November 24, 2003ART UNIT
2193

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EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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/DHM/	AB65	6,836,650 B2	12/2004	Sorrells et al.			
/DHM/	AC65	5,844,868	12/1998	Takahashi et al.			
/DHM/	AD65	6,385,439 B1	05/2002	Hellberg			
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/DHM/	AH65	6,853,690 B1	02/2005	Sorrells et al.			
/DHM/	AI65	4,789,837	12/1988	Ridgers			

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	AL						Yes No
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/David Malzahn/

DATE CONSIDERED
05/17/2007

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Q I P E
AUG 09 2005
FORM PTO-1449
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
PATENT TRADEMARK OFFICE

ATTY. DOCKET NO. 1744.1380000	APPLICATION NO. 10/719,058
INVENTORS RAWLINS et al.	
FILING DATE November 24, 2003	ART UNIT 2193

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
/DHM/	AA66	5,634,207	05/1997	Yamaji et al.			
/DHM/	AB66	5,642,071	06/1997	Sevenhans et al.			
/DHM/	AC66	6,211,718 B1	04/2001	Souetinov			
/DHM/	AD66	6,212,369 B1	04/2001	Avasarala			
/DHM/	AE66	6,308,058 B1	10/2001	Souetinov et al.			
/DHM/	AF66	6,633,194 B2	10/2003	Armborg et al.			
/DHM/	AG66	2001/0036818 A1	11/2001	Dobrovolny			
/DHM/	AH66	6,873,836 B1	03/2005	Sorrells et al.			
/DHM/	AI66	6,879,817 B1	04/2005	Sorrells et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ						Yes No
	AK						Yes No
	AL						Yes No
	AM						Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER INITIAL	DOC. REF.	CITATION
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EXAMINER /David Malzahn/	DATE CONSIDERED 05/17/2007
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FORM PTO-1449 AUG 09 2005
 SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
 TRADEMARK OFFICE

ATTY. DOCKET NO.
 1744.1380000

APPLICATION NO.
 10/719,058

INVENTORS
 RAWLINS et al.

FILING DATE
 November 24, 2003

ART UNIT
 2193

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
/DHM/	AA67	6,057,714	05/2000	Andrys et al.			
/DHM/	AB67	2003/0081781 A1	05/2003	Jensen et al.			
/DHM/	AC67	5,994,689	11/1999	Charrier			
/DHM/	AD67	6,512,544 B1	01/2003	Merrill et al.			
/DHM/	AE67	6,628,328 B1	09/2003	Yokouchi et al.			
/DHM/	AF67	6,801,253 B1	10/2004	Yonemoto et al.			
/DHM/	AG67	3,737,778	06/1973	Van Gerwen et al.			
/DHM/	AH67	4,286,283	08/1981	Clemens			
/DHM/	AI67	4,241,451	12/1980	Maixner et al.			

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EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

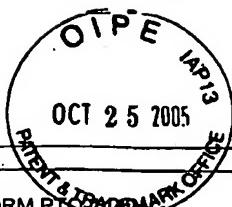
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EXAMINER /David Malzahn/

DATE CONSIDERED
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					Page 5 of 5			
					ATTY. DOCKET NO. 1744.1380000	APPLICATION NO. 10/719,058		
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT PATENT TRADEMARK OFFICE					INVENTORS RAWLINS et al.			
					FILING DATE November 24, 2003	ART UNIT 2193		
U.S. PATENT DOCUMENTS								
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/DHM/	AA68	5,014,130	05/1991	Heister et al.				
/DHM/	AB68	5,390,215	02/1995	Anita et al.				
/DHM/	AC68	5,805,460	09/1998	Greene et al.				
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FORM PTO TRADEMARK OFFICE SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 1744.1380000		APPLICATION NO. 10/719,058			
		FIRST NAMED INVENTOR Gregory S. RAWLINS					
		FILING DATE November 24, 2003		ART UNIT 2193			
		U.S. PATENT DOCUMENTS					
EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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/DHM/	AD68	6,882,194 B2	04/2005	Belot et al.			
/DHM/	AE68	6,892,062 B2	05/2005	Lee et al.			
/DHM/	AF68	6,917,796 B2	07/2005	Setty et al.			
/DHM/	AG68	6,920,311 B2	07/2005	Rofougaran et al.			
/DHM/	AH68	5,062,122	10/1991	Pham et al.			
/DHM/	AI68	6,182,011 B1	01/2001	Ward			
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EXAMINER /David Malzahn/		DATE CONSIDERED 05/17/2007					
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FORM PTO-149 SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 1744.1380000	APPLICATION NO. 10/719,058
		FIRST NAMED INVENTOR Gregory S. RAWLINS	
		FILING DATE November 24, 2003	ART UNIT 2193

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
/DHM/	AA69	6,639,939 B1	10/2003	Naden et al.			
/DHM/	AB69	5,787,125	07/1998	Mittel			
/DHM/	AC69	5,878,088	03/1999	Knutson et al.			
/DHM/	AD69	6,215,828	04/2001	Signell et al.			
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	AG						
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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	AK						Yes No
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	AM						Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER INITIAL	DOC. REF.	CITATION
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05/17/2007

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FORM PTO-1449

THIRD SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1744.1380000APPLICATION NO.
10/719,058FIRST NAMED INVENTOR
Gregory S. RAWLINSFILING DATE
November 24, 2003 ART UNIT
2193**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB						
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	AD						
/DHM/	AE69	5,703,584	12/1997	Hill			
/DHM/	AF69	5,887,001	03/1999	Russell			
/DHM/	AG69	6,298,065 B1	10/2001	Dombkowski et al.			
/DHM/	AH69	2002/0080728 A1	06/2002	Sugar et al.			
/DHM/	AI69	2002/0163921 A1	11/2002	Ethridge et al.			

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EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
/DHM/	AJ24	WO 98/53556 A2	11/1998	PCT			N/A
/DHM/	AK24	DT 1936252	01/1971	DT			Yes (Doc. AO60)
/DHM/	AL24	JP 62-12381	01/1987	JP			No
/DHM/	AM24	JP 4-154227	05/1992	JP			No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER INITIAL	DOC. REF.	CITATION
/DHM/	AN60	Gaudiosi, J., "Retailers will bundle Microsoft's Xbox with games and peripherals," <i>Video Store Magazine</i> , Volume 23, Issue 36, pg. 8, 2 pages (September 2-8, 2001).
/DHM/	AO60	English-language Translation of German Patent Publication No. DT 1936252, translation provided by Transperfect Translations, 12 pages (January 28, 1971 - Date of publication of application).
/DHM/	AP60	English-language Abstract of Japanese Patent Publication No. JP 62-12381, data supplied by the espacenet, 1 page (January 21, 1987 - Date of publication of application).
/DHM/	AQ60	English-language Abstract of Japanese Patent Publication No. JP 4-154227, data supplied by the espacenet, 1 page (May 27, 1992 - Date of publication of application).
/DHM/	AR60	English-language Abstract of Japanese Patent Publication No. JP 6-284038, data supplied by the espacenet, 1 page (October 7, 1994 - Date of publication of application).

EXAMINER

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
/DHM/	AA70	6,963,734 B2	11/2005	Sorrells <i>et al.</i>			
/DHM/	AB70	6,005,506	12/1999	Bazarjani <i>et al.</i>			
/DHM/	AC70	6,438,366 B1	08/2002	Lindfors <i>et al.</i>			
/DHM/	AD70	5,196,806	03/1993	Ichihara			
/DHM/	AE70	5,410,195	04/1995	Ichihara			
/DHM/	AF70	6,404,823 B1	06/2002	Grange <i>et al.</i>			
/DHM/	AG70	6,618,579 B1	09/2003	Smith <i>et al.</i>			
/DHM/	AH70	2001/0015673 A1	08/2001	Yamashita <i>et al.</i>			
/DHM/	AI70	2003/0045263 A1	03/2003	Wakayama <i>et al.</i>			

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EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
/DHM/	AJ25	JP 6-284038	10/1994	JP			No
/DHM/	AK25	JP 10-96778	04/1998	JP			No
/DHM/	AL25	JP 11-98205	04/1999	JP			No
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER INITIAL	DOC. REF.	CITATION
/DHM/	AN61	English-language Abstract of Japanese Patent Publication No. JP 10-96778, data supplied by the espacenet, 1 page (April 14, 1998 - Date of publication of application).
/DHM/	AO61	English-language Abstract of Japanese Patent Publication No. JP 11-98205, data supplied by the espacenet, 1 page (April 9, 1999 - Date of publication of application).
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/DHM/	AA71	6,975,848 B2	12/2005	Rawlins et al.			
/DHM/	AB71	6,404,758 B1	06/2002	Wang			
/DHM/	AC71	6,909,739 B1	06/2005	Eerola et al.			
/DHM/	AD71	6,910,015 B2	06/2005	Kawai			
/DHM/	AE71	3,719,903	03/1973	Goodson			
/DHM/	AF71	4,591,930	05/1986	Baumeister			
/DHM/	AG71	7,006,805 B1	02/2006	Sorrells et al.			
/DHM/	AH71	7,010,286 B2	03/2006	Sorrells et al.			
/DHM/	AI71	7,010,559 B2	03/2006	Rawlins et al.			
FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
/DHM/	AA72	5,131,014	07/1992	White			
/DHM/	AB72	6,393,070 B1	05/2002	Reber			
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EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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	AA							
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/DHM/	AC72	7,016,663 B2	03/2006	Sorrells et al.				
/DHM/	AD72	3,694,754	09/1972	Baltzer				
/DHM/	AE72	4,931,716	06/1990	Jovanovic et al.				
/DHM/	AF72	3,617,898	11/1971	Janning, Jr.				
/DHM/	AG72	3,764,921	10/1973	Huard				
/DHM/	AH72	4,158,149	06/1979	Otofiji				
/DHM/	AI72	4,380,828	04/1983	Moon				
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/DHM/	AA73	4,562,414	12/1985	Linder et al.			
/DHM/	AB73	4,814,649	03/1989	Young			
/DHM/	AC73	4,845,389	07/1989	Pyndiah et al.			
/DHM/	AD73	5,172,019	12/1992	Naylor et al.			
/DHM/	AE73	5,263,198	11/1993	Geddes et al.			
/DHM/	AF73	5,551,076	08/1996	Bonn			
/DHM/	AG73	5,633,610	05/1997	Maekawa et al.			
/DHM/	AH73	7,027,786 B1	04/2006	Smith et al.			
/DHM/	AI73	7,039,372 B1	05/2006	Sorrells et al.			
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/DHM/	AA74	6,591,310 B1	07/2003	Johnson			
/DHM/	AB74	6,963,626 B1	11/2005	Shaeffer et al.			
/DHM/	AC74	4,811,422	03/1989	Kahn			
/DHM/	AD74	5,825,257	10/1998	Klymyshyn et al.			
/DHM/	AE74	5,986,600	11/1999	McEwan			
/DHM/	AF74	6,865,399 B2	03/2005	Fujioka et al.			
/DHM/	AG74	2006/0039449 A1	02/2006	Fontana et al.			
/DHM/	AH74	5,847,594	12/1998	Mizuno			
/DHM/	AI74	2005/0185741 A1	08/2005	Rawlins et al.			
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FORM PTO-1449

**FIFTH SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**
ATTY. DOCKET NO.
1744.1380000APPLICATION NO.
10/719,058FIRST NAMED INVENTOR
Gregory S. RAWLINSFILING DATE
November 24, 2003 ART UNIT
2193**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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/DHM/	AB75	3,641,442	02/1972	Boucher			
/DHM/	AC75	5,140,699	08/1992	Kozak			
/DHM/	AD75	7,050,058 B2	05/2006	Sorrells et al.			
/DHM/	AE75	7,054,296 B1	05/2006	Sorrells et al.			
/DHM/	AF75	7,065,162 B1	06/2006	Sorrells et al.			
/DHM/	AG75	2003/0149579 A1	08/2003	Begemann et al.			
/DHM/	AH75	5,063,387	11/1991	Mower			
/DHM/	AI75	5,535,402	07/1996	Leibowitz et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ						Yes
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	AL						Yes
	AM25	JP 61-232706	10/1986	JP			No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER INITIAL	DOC. REF.	CITATION
	AN	
	AO	
/DHM/	AP61	English-language Abstract of Japanese Patent Publication No. JP 61-232706, data supplied by the espacenet, 1 page (October 17, 1986 - Date of publication of application).
/DHM/	AQ61	English-language Abstract of Japanese Patent Publication No. JP 9-171399, data supplied by the espacenet, 1 page (June 30, 1997 - Date of publication of application).
/DHM/	AR61	English-language Abstract of Japanese Patent Publication No. JP 10-41860, data supplied by the espacenet, 1 page (February 13, 1998 - Date of publication of application).

EXAMINER

/David Malzahn/

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05/17/2007

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FORM PTO-1449 FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 1744.138000	APPLICATION NO. 10/719,058
		FIRST NAMED INVENTOR Gregory S. RAWLINS	
		FILING DATE November 24, 2003	ART UNIT 2193

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
/DHM/	AA76	6,512,785 B1	01/2003	Zhou <i>et al.</i>			
/DHM/	AB76	6,567,483 B1	05/2003	Dent <i>et al.</i>			
/DHM/	AC76	6,775,684 B1	08/2004	Toyoyama <i>et al.</i>			
/DHM/	AD76	4,740,792	04/1988	Sagey <i>et al.</i>			
/DHM/	AE76	5,239,687	08/1993	Chen			
/DHM/	AF76	5,552,789	09/1996	Schuermann			
/DHM/	AG76	5,905,433	05/1999	Wortham			
/DHM/	AH76	6,647,270 B1	11/2003	Himmelstein			
/DHM/	AI76	6,034,566	03/2000	Ohe			

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EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
/DHM/	AJ26	JP 9-171399	06/1997	JP			No
/DHM/	AK26	JP 10-41860	02/1998	JP			No
	AL						Yes
	AM						No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER INITIAL	DOC. REF.	CITATION
	AN	
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	AP	
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EXAMINER /David Malzahn/ DATE CONSIDERED 05/17/2007

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			FIRST NAMED INVENTOR Gregory S. RAWLINS	FILING DATE November 24, 2003	ART UNIT 2193		
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
/DHM/	AA77	6,313,700 B1	11/2001	Nishijima et al.			
/DHM/	AB77	6,959,178 B2	10/2005	Macedo et al.			
/DHM/	AC77	6,999,747 B2	02/2006	Su			
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/DHM/	AF77	7,072,427 B2	07/2006	Rawlins et al.			
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/DHM/	AH77	7,082,171 B1	07/2006	Johnson et al.			
/DHM/	AI77	7,085,335 B2	08/2006	Rawlins et al.			
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EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ						Yes No
	AK						Yes No
	AL						Yes No
	AM						Yes No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
EXAMINER INITIAL	DOC. REF.	CITATION					
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	AO						
	AP						
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EXAMINER /David Malzahn/						DATE CONSIDERED 05/17/2007	
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FORM PTO-1449 <u>SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</u>		ATTY. DOCKET NO. 1744.1380000	APPLICATION NO. 10/719,058
		FIRST NAMED INVENTOR Gregory S. RAWLINS	
		FILING DATE November 24, 2003	ART UNIT 2193

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
/DHM/	AA78	3,739,282	06/1973	Bruch et al.			
/DHM/	AB78	4,439,787	03/1984	Mogli et al.			
/DHM/	AC78	4,866,441	09/1989	Conway et al.			
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/DHM/	AF78	5,734,683	03/1998	Hulkko et al.			
/DHM/	AG78	5,918,167	06/1999	Tiller et al.			
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EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ						Yes No
	AK						Yes No
/DHM/	AL26	JP 10-173563	06/1998	JP			Yes (Doc. AN62)
	AM						Yes No

NON-PATENT LITERATURE DOCUMENTS

EXAMINER INITIAL	DOC. REF.	CITATION
/DHM/	AN62	English-language Computer Translation of Japanese Patent Publication No. JP 10-173563, provided by the JPO, 10 pages (June 26, 1998 - Date of publication of application) and cited in U.S. Patent Application Ser. No. 10/305,299, directed to related subject matter.
/DHM/	AO62	What is I/Q Data?, printed September 16, 2006, from http://zone.ni.com , 8 pages (Copyright 2003).
	AP	
	AQ	
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FORM PTO-1449 SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT			ATTY. DOCKET No. 1744.1380000		APPLICATION NO. 10/719,058		
			FIRST NAMED INVENTOR Gregory S. RAWLINS				
			FILING DATE November 24, 2003	ART UNIT 2193			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
/DHM/	AA79	4,143,322	03/1979	Shimamura			
/DHM/	AB79	2,530,824	11/1950	King			
/DHM/	AC79	7,107,028 B2	09/2006	Sorrells et al.			
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/DHM/	AF79	6,973,476 B1	12/2005	Naden et al.			
/DHM/	AG79	5,834,987	11/1998	Dent			
/DHM/	AH79	RE37,138 E	04/2001	Dent			
/DHM/	AI79	6,441,694 B1	08/2002	Turcotte et al.			
FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AJ						Yes No
	AK						Yes No
	AL						Yes No
	AM						Yes No
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			FIRST NAMED INVENTOR Gregory S. RAWLINS	FILING DATE November 24, 2003	ART UNIT 2193		
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
/DHM/	AA80	6,892,057 B2	05/2005	Nilsson			
/DHM/	AB80	6,741,650 B1	05/2004	Painchaud et al.			
/DHM/	AC80	6,441,659 B1	08/2002	Demone			
/DHM/	AD80	2002/0132642 A1	09/2002	Hines et al.			
	AE						
	AF						
	AG						
	AH						
	AI						
FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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	AK						Yes No
	AL						Yes No
	AM						Yes No
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EXAMINER /David Malzahn/					DATE CONSIDERED 05/17/2007		
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